

1 Attorney Docket No. 83084

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**ADJUSTABLE FLEXURE LOADING**

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**APPARATUS FOR TESTING LONG SPAN BEAMS**

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**ABSTRACT OF THE DISCLOSURE**

7 An adjustable loading apparatus for supporting a long  
8 span beam in a flexure test by a load application device is  
9 disclosed. The apparatus includes an upper support structure  
10 including an elongated support beam, at least one support  
11 bracket adjustably mountable along a longitudinal span  
12 thereof, and a saddle member selectively pivotally mounted in  
13 the at least one upper support bracket for engaging with a  
14 specimen under test. The upper support structure is  
15 positioned normal to the load application device and a lower  
16 support structure is positioned parallel and co-planar to the  
17 upper support structure. The lower support structure includes  
18 an elongated support beam, at least one spacing member  
19 adjustably mounted along a longitudinal span thereof, a lower  
20 support bracket adjustably mounted along a longitudinal span  
21 of the spacing member, and a saddle member selectively  
22 pivotally mounted in the lower support bracket for engaging  
23 with a specimen under test.